

Amendments to the Specification

At page 34, first full paragraph:

Construction of DermaVir_{SHIV}: pSHIV(int-) viral vector. The full length but integration defective Simian Human Immunodeficiency Virus (SHIV) clone [pSHIV(Int-1)] to obtain DermaVir_{SHIV} was created by stepwise strategy starting with p-5'SHIV (clone KB9) and p-3'SHIV (clone 64/KB9) provided by Joseph Sodroski of Harvard University. These clones, derivatives of SHIV 89.6, are also available from the NIH AIDS Research and Reference Program. First a clone of p-5'SHIV with the deletion of the internal Bgl2-Bgl2 sites located in the pol gene was created and termed p-5'_{SHIV}(dBg). The internal Bgl2-Bgl2 fragment was mutated by PCR amplification of the fragment with primers that introduced mutations with stop codons and cloned into a separate vector and termed pBg08. The mutated fragment was isolated and inserted into p-5SHIV(dBg) to obtain p-5'_{SHIV}(Int-1). The Xho1-Sph1 viral fragment (~6.5 Kb) from p-5'_{SHIV}(Int-1) and Sph1-Not1 viral fragment (~4.0 Kb) from p-3'SHIV clones were isolated and cloned into a pBluescript (Stragene, Inc.) vector backbone to obtain p_{SHIV}(Int-1) clone. The sequence of the junctions and of the integrase gene region of this clone was checked. It contained small deletions, frame shift and three separated stop codons in the integrasegene open reading frame. It also contained stop codons in the other reading frame in this region.

SIVmac₂₃₉ ~~sequence~~ Sequence Id. No. 1: (nt 4696) 5'-A GAT CTA GGG ACT TGG CAA ATG GAT TGT ACC CAT-3' (nt 4729). p_{SHIV}(Int-1) ~~sequence~~ Sequence Id. No. 2: 5'-A GAT CTA TGA ----- TAG ---- A TAG CT TAG---CC CAT-3'.

Please add the enclosed sequence listing to the specification.